

Completely misunderstood, AN UNCHANGED IDEAL
FINDS A NEW IMPLEMENTATION —

XANADU® THEN AND NOW

Objectives: HUMAN FREEDOM, ACCESS AND SELF-PUBLISHING;
A STABLE, LASTING AND COMPREHENSIVE ELECTRONIC LITERATURE;
THE TRUE REPRESENTATION OF INFORMATION AND ITS COMPLEXITY;
THE INTERCOMPARISON OF IDEAS AND POINTS OF VIEW;
FREEDOM OF RE-USE AND REPUBLISHING
WHILE MAINTAINING COPYRIGHT AND RIGHTS OWNERSHIP,
AND HARMONIZING IT WITH UNRESTRICTED
QUOTATION.

Xanadu has always been

A PARTICULAR DATA STRUCTURE
proposed for an all-media literature;

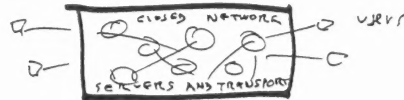
**A SYSTEM OF MEDIA OWNERSHIP
AND SALE**, allowing unrestricted virtual quotation;

**A BUSINESS PLAN FOR A NETWORK
OF FRANCHISED SERVERS**;
CONNECTION & MEDIA

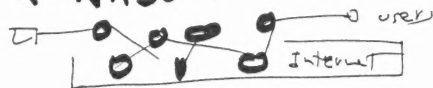
**A TRADEMARK FOR THIS OVERALL METHOD
OF DELIVERY, PUBLICATION AND SALE.**

THE OLD
XANADU

From 1960 to 1992 the plan was for a closed system of delivery and storage —



THE NEW XANADU turns this inside-out



and has been reworked into several

PUBLIC-DOMAIN IDEAS —

OSMIC, Open Standard for Media Interconnection

TRANSCOPYRIGHT, a new legal arrangement for unrestricted quotation
(see www.sfc.keio.ac.jp/~n/fct/)

MANY-TO-MANY MICROPAYMENT (patent pending)
SO ANYONE MAY SELL TO ANYONE

and a trademarked franchised server structure —

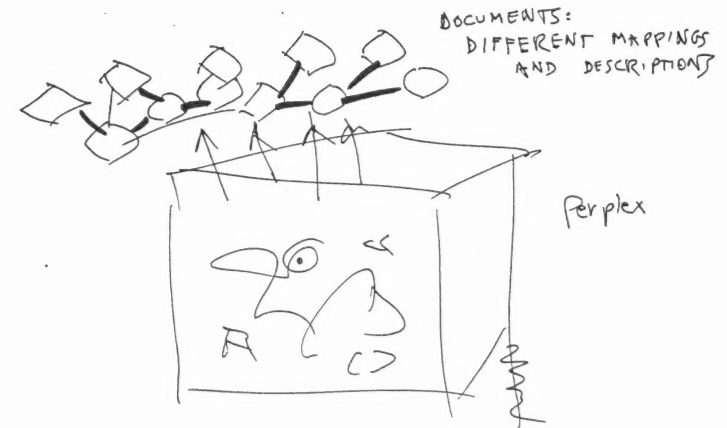
STABLE, GUARANTEED - FOR-DECADES PUBLISH-BY-NAME
servers, with AUTOMATIC EXPANSION TO NEW SERVERS ON HIGH DEMAND

How do you represent a perplex?

We already have a model...

LITERATURE is (any) system * of
**INTERCONNECTED
DOCUMENTS**,

each with a point of view,
representing a different aspect
and perspective of a perplex.



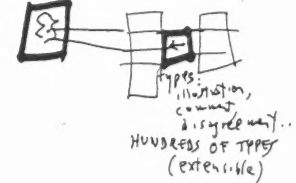
Literature has always been interconnected; but in the past
we could not see many of the connections, and we could not
follow them instantly.

TOMORROW'S LITERATURE

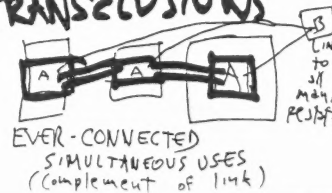
must be a system for THE RICH REPRESENTATION
OF IDEAS AND CONNECTIONS

the Xanalogical model ~~shows that~~ connections of two types:

LINKS



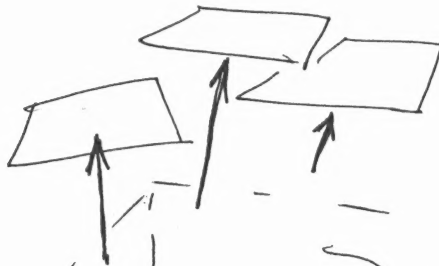
TRANSLUCISIONS



Many people complain that the World Wide Web is "disorderly,"
these people are naive and have been misled by the appearance of order in libraries
they do not understand and textbooks

TSOI d1 96.09.21

THE TRUE STRUCTURE OF INFORMATION



PRESENTATIONAL SIMPLIFICATIONS

giving people a

FALSE SENSE OF CLARITY AND ORDER
and represent DIFFERENT POINTS OF VIEW

THE PERPLEX*

a scramble and tangle
of relationships,
ambiguities,
uncertainties,
disagreements,
interpretations,
alternative models,
exceptions,

a vast complex of instances
and their possible
organizations.

*term taken from F.C. Crews, The Pooh Perplex.

ALMOST EVERY INFORMATION DOMAIN IS A PERPLEX;

every document and point of view is a
presentational simplification of a perplex;

PERPLEXES ARE FRACTAL,

self-similar at every macro- and micro-level.

Most hierarchy and order is artificial, although occasionally it represents
real structure (eg Mendelejeff, Linnaeus) — but these are lucky cases.

MOST OF INFORMATION SCIENCE

has concentrated on
THESE TRIVIAL AND MISLEADING CASES!

THE MAIN INFORMATION PROBLEM IS THE DETAILED AND ACCURATE REPRESENTATION OF INFORMATION PERPLEXES AND THEIR CHANGES.

[Thus we need COMPLEXITY AND CONNECTION SERVERS.]

A KEY SECONDARY PROBLEM IS SYSTEMS TO AID IN THE CONSTRUCTION
OF PRESENTATIONAL SIMPLIFICATIONS, and MAINTAINING STRUCTURE AS THEY CHANGE

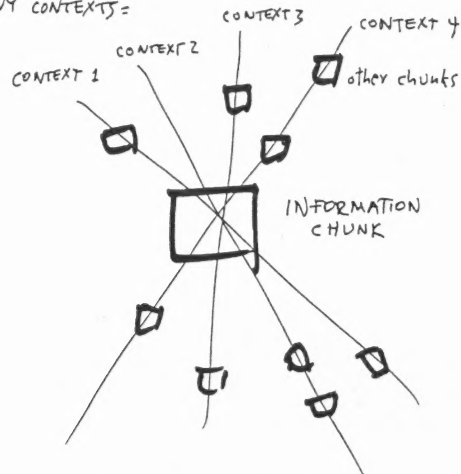
A KEY METAPROBLEM is showing the correspondences among documents
thus we need COMMONALITY SERVERS.

HOW CAN ONE THING BE IN MANY PLACES?

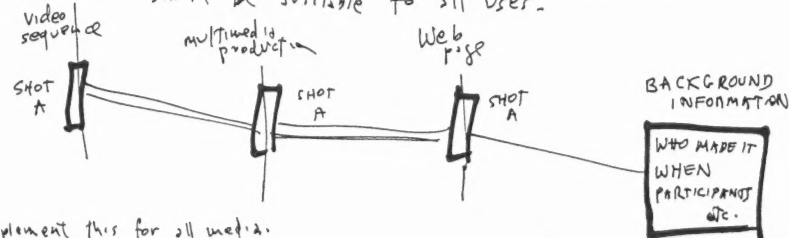
When you think

A PRINCIPAL ISSUE IN REPRESENTING COMPLEX INFORMATION
IS HOW TO RE-USE AND INTERCONNECT MATERIALS.

This requires having THE SAME CHUNK OF INFORMATION
IN MANY CONTEXTS =



EXAMPLE. IF YOU USE THE SAME VIDEO SHOT in several different productions, the related background information should be available to all users.



Let us implement this for all media.

TRANSLUCSION is the proposed relationship for media which makes equivalence known and understandable.

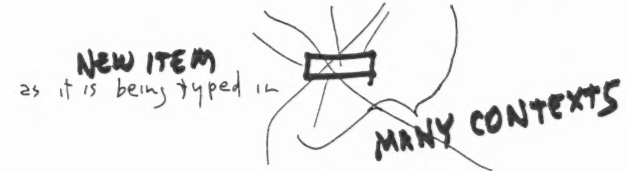
Translucision is an identity relationship which is not a copy, instance or other familiar form of data identity. It is the exact implementation of **ONE THING IN MANY PLACES**, a COSMIC ORIGINAL.

CRITERIA: a link to part of any manifestation with DISTRIBUTED MANIFESTATIONS. is present on the same part of all manifestations and the original; all deliveries are from the virtual original (and all sales); and CONTEXTS MAY BE COMPARED SIDE BY SIDE.

"If you think you see a God or a Saint, he is not a copy or an instance."

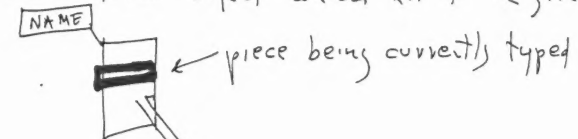
WHY IS ALL EXISTING SOFTWARE UNACCEPTABLE?

In my paradigm, the objective of a computer text system should be EXACTLY TO REPRESENT THE COMPLEXITY OF THOUGHT. Thus the writer's Literary Machine should place EACH NEW ITEM SIMULTANEOUSLY IN EVERY CONTEXT WHERE IT BELONGS.



This means that THE FUNCTION OF THE COMPUTER IS TO REPRESENT AND MAINTAIN A VAST NUMBER OF INTERCONNECTIONS.

"Word processing" is the opposite: it embeds each piece of text in a closed object which has to be given a name.



TO RE-USE THIS MATERIAL, you must make a COPY with ORIGIN FORGOTTEN.

And so it is impossible to maintain all the connections and represent the true interconnection of information.

TODAY'S SOFTWARE REPRESENTS A TOTAL MISUNDERSTANDING OF THE NATURE OF INFORMATION AND ITS USES.

The basic problem of text management is KEEPING TRACK OF VERSIONS, ALTERNATIVES, and THE MOVEMENT OF ITEMS AMONG VERSIONS, ALTERNATIVES AND PROJECTS.

This problem is common to CONTRACTS, TREATIES, REGISTRATION, PRESS RELEASES, REPORTS, NOVELS, SCREENPLAYS, RESEARCH PAPERS, PROPOSALS...